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United States Patent [19]
Johnson et al.

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[54] **BIDDING FOR ENERGY SUPPLY**

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N.J.

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[21] Appl. No.: **09/023,968**

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nal of Forecasting, vol. 11n3, 241-251 (1992).

[22] Filed: **Feb. 13, 1998**

Related U.S. Application Data

[60] Provisional application No. 60/039,041, Feb. 24, 1997, and
provisional application No. 60/064,421, Oct. 30, 1997.

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[51] **Int. Cl.**⁷ **G06F 17/60**

[52] **U.S. Cl.** **705/412; 705/400; 705/10;**
379/112; 379/115

[58] **Field of Search** **705/412, 10, 400;**
379/112, 115

[57] **ABSTRACT**

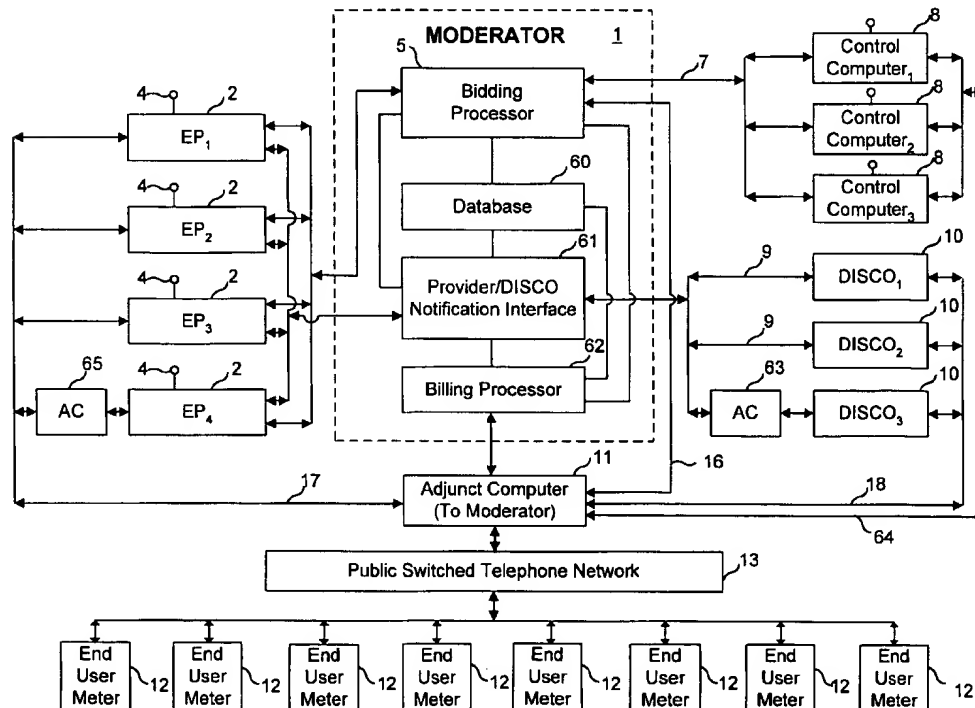
An auction service is provided that stimulates competition
between energy suppliers (i.e., electric power or natural
gas). A bidding moderator (Moderator) receives bids from
the competing suppliers of the rate each is willing to charge
to particular end users for estimated quantities of electric
power or gas supply (separate auctions). Each supplier
receives competing bids from the Moderator and has the
opportunity to adjust its own bids down or up, depending on
whether it wants to encourage or discourage additional
energy delivery commitments in a particular geographic area
or to a particular customer group. Each supplier's bids can
also be changed to reflect each supplier's capacity utiliza-
tion. Appropriate billing arrangements are also disclosed.

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44 Claims, 16 Drawing Sheets



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TITLE: Bidding for energy supply

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Abstract Text - ABTX (1):

An auction service is provided that stimulates competition between energy suppliers (i.e., electric power or natural gas). A bidding moderator (Moderator) receives bids from the competing suppliers of the rate each is willing to charge to particular end users for estimated quantities of electric power or gas supply (separate auctions). Each supplier receives competing bids

from the Moderator and has the opportunity to adjust its own bids down or up, depending on whether it wants to encourage or discourage additional energy delivery commitments in a particular geographic area or to a particular customer group. Each supplier's bids can also be changed to reflect each supplier's capacity utilization. Appropriate billing arrangements are also disclosed.